

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



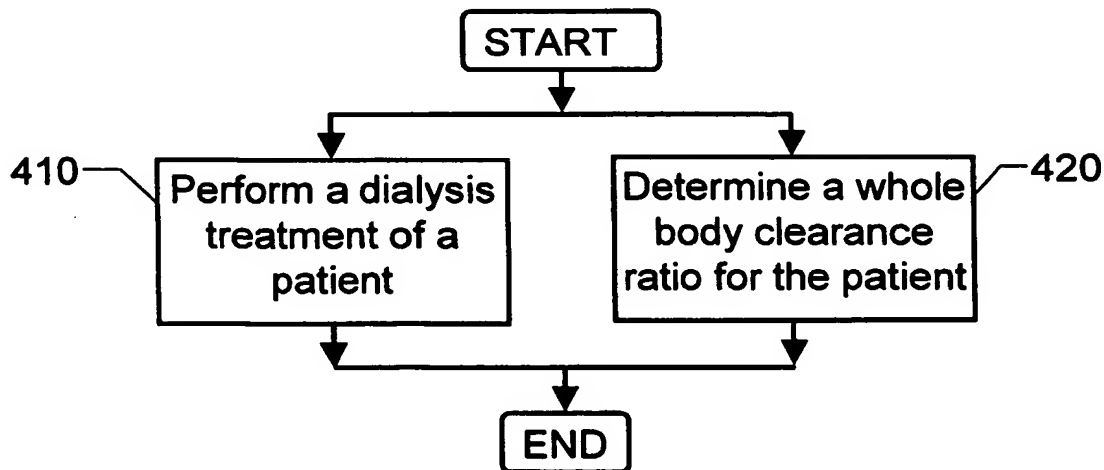
(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/039436 A1

- (51) International Patent Classification⁷: **A61M 1/14**
- (21) International Application Number:
PCT/SE2003/001666
- (22) International Filing Date: 28 October 2003 (28.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/422,410 30 October 2002 (30.10.2002) US
- (71) Applicant (for all designated States except US): **GAMBRO LUNDIA AB** [SE/SE]; Magistratsvägen 16, P.O. Box 10101, S-220 10 Lund (SE).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **STERNBY, Jan, Peter** [SE/SE]; Sparsnogatan 45, S-226 52 Lund (SE).
- (74) Agents: **WIHLSSON, Joakim et al.**; Bjerkéns Patentbyrå KB, Östermalmmsg. 58, S-114 50 Stockholm (SE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A METHOD AND AN APPARATUS FOR DETERMINING THE EFFICIENCY OF DIALYSIS



(57) Abstract: The invention relates to characterization of a dialyzer's capacity to accomplish a dialysis clearance of a patient, and strategies for improving the efficiency of a dialysis treatment of the patient. The invention involves determining a whole body clearance ratio (420) for a dialysis treatment of a patient (410). The whole body clearance ratio expresses how well the patient responds to a potential cleaning capacity of a dialyzer, which is used to perform the treatment.